



Nitrite Meters

Nitrites are an intermediate product in the nitrogen cycle and are produced during ammonia oxidation with water, or even originate in industrial waste directly. They must not be present in drinking water.

Nitrites can be harmful to aquatic organisms even in low concentrations and for this reason, they are closely monitored in aquaculture facilities. In cooling towers, however, an adequate amount of nitrites is necessary to prevent corrosion.

In high concentrations, they can be harmful to environment and to man. They are, therefore, normally monitored to verify the quality of water for domestic use, as well as lakes and ponds.

HI 93707 and HI 93708 show the nitrite concentration directly in the 0.00 to 0.35 mg/L and 0 to 150 mg/L ranges, with increments of 0.01 mg/L and 1 mg/L, respectively.

They can also determine sodium nitrite concentration by simply multiplying the readings by 4.93 (HI 93707) or by 1.5 (HI 93708). With HI 93708 it is also possible to determine nitrogen nitrite concentration by dividing the readings by 3.29.

Ordering Information

HI 93707 is supplied complete with 2 cuvettes, battery and instructions.

HI 93708 is supplied complete with 2 cuvettes, battery and instructions.



Specifications

	HI 93707 (Nitrite LR)	HI 93708 (Nitrite HR)
Range	0.00 to 0.35 mg/L	0 to 150 mg/L
Resolution	0.01 mg/L	1 mg/L
Accuracy (@20°C/68°F)	±0.02 mg/L ±4% of reading	±4 mg/L ±4% of reading
Light Source	LED (Light Emitting Diode) 470 nm	LED (Light Emitting Diode) 585 nm
Light Life	Life of the instrument	
Light Detector	Silicon Photocell	
Battery Type / Life	1 x 9V / approx. 40 hours of continuous use; Auto-off after 10 minutes of non use	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")	
Weight	290 g (10 oz.)	
Method	Adaptation of the EPA method 354.1; The reaction between nitrite and the reagent causes a pink tint in the sample	Adaptation of the Ferrous Sulfate method; The reaction between nitrite and the reagent causes a greenish-brown tint in the sample

Accessories

HI 710009	Shockproof rubber boot, blue	HI 93707-03	Reagent kit for 300 tests (N-NO ₂ LR)
HI 710010	Shockproof rubber boot, orange	HI 93708-01	Reagent kit for 100 tests (NO ₂ HR)
HI 731318	Tissue for wiping cuvettes (4 pcs)	HI 93708-03	Reagent kit for 300 tests (NO ₂ HR)
HI 731321	Measuring cuvet (4 pcs)		
HI 93703-50	Cuvet cleaning solution (230 mL)		
HI 731325	Cuvet cap (4 pcs)		
HI 93707-01	Reagent kit for 100 tests (N-NO ₂ LR)		

For a comprehensive list of accessories, see sections U and V